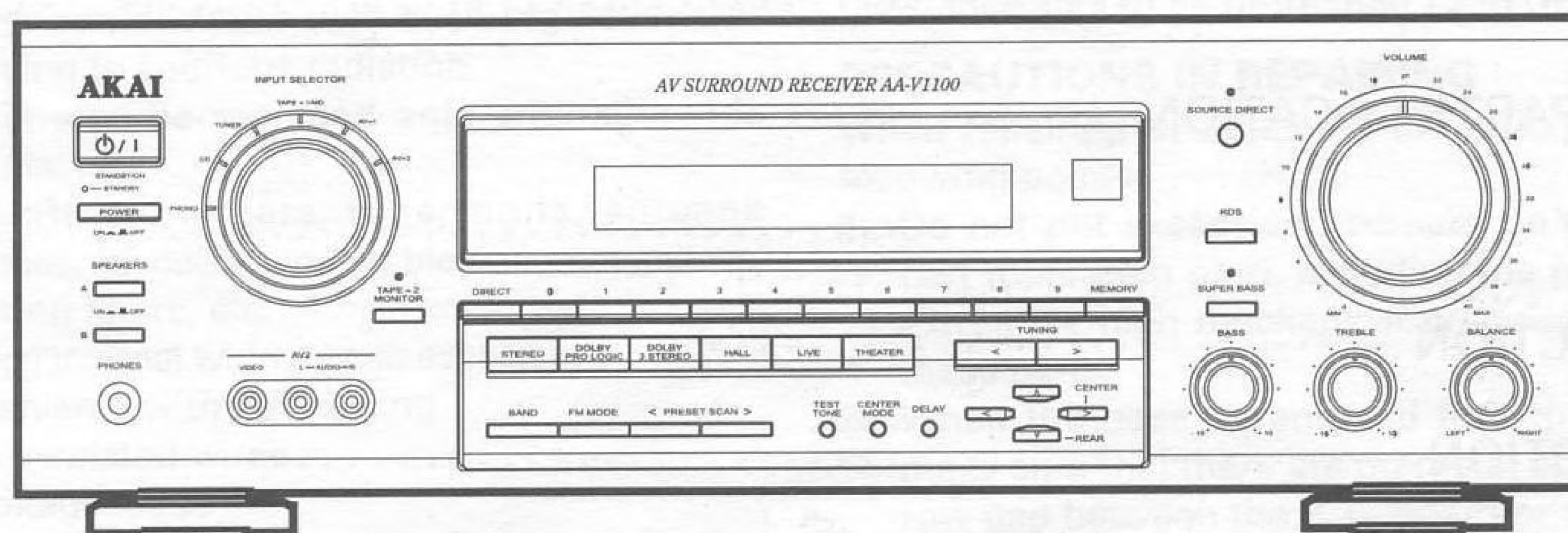


AKAI SERVICE MANUAL



AV SURROUND RECEIVER

SPECIFICATIONS

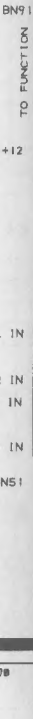
MODEL **AA-V1100**

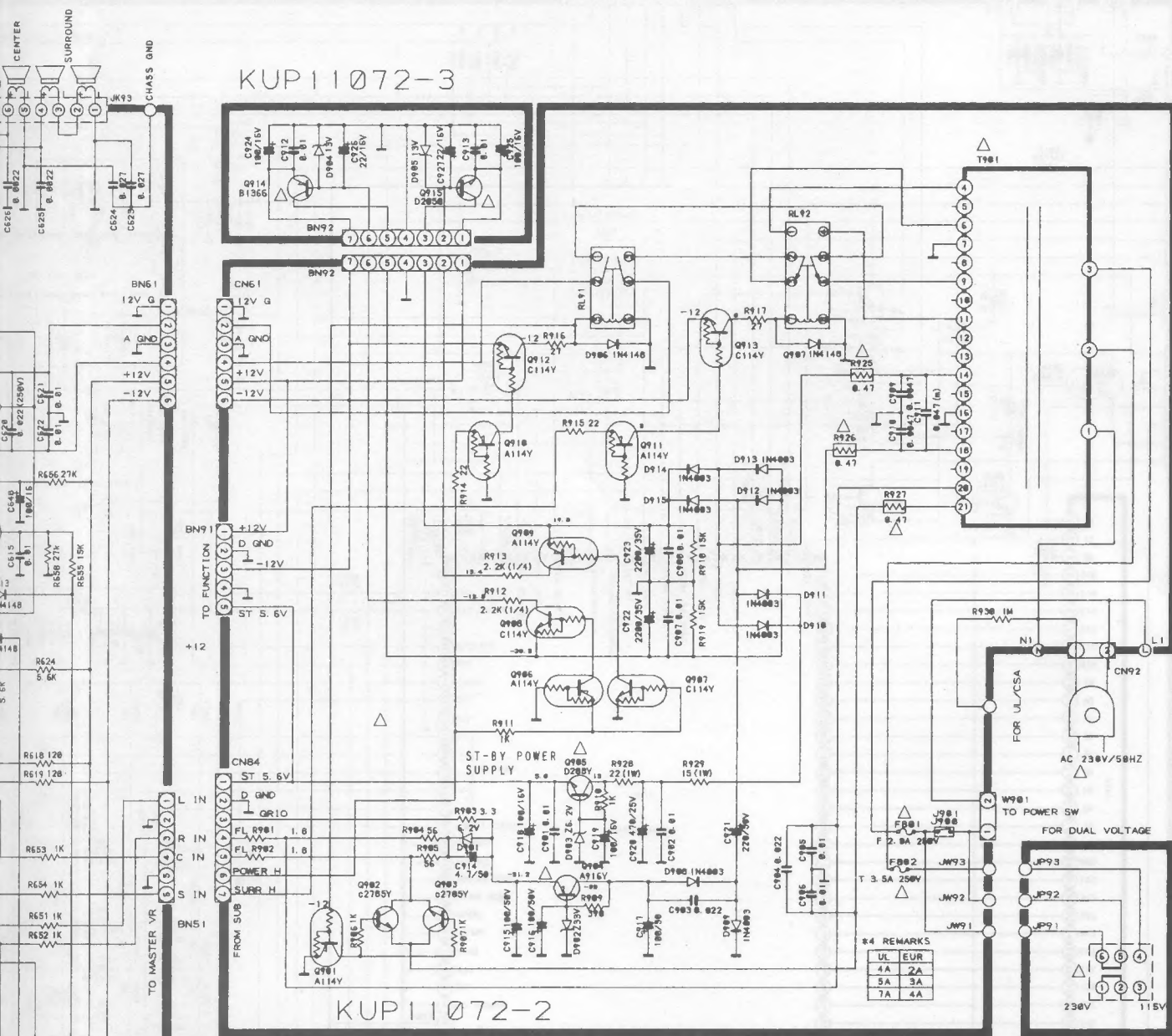
AMPLIFIER	TUNER
<p>1 When SOURCE DIRECT is "ON" Sensitivity and Impedance PHONO : 2.5mV/47kΩ CD, TAPE, AV 1/2 : 200mV/22kΩ Frequency Response PHONO(RIAA STANDARD CURVE) :50Hz~15kHz (± 1dB) CD, TAPE, AV 1/2 : 10Hz~100kHz S/N Ratio PHONO(IHF-A) : 70dB CD, TAPE, AV(IHF-A) : 95dB Power Output 50W, 1kHz, 8ohm, 0.08% Tone control Treble : ± 10dB (10kHz) Bass : ± 10dB (100Hz)</p> <p>2 When SURROUND is "ON" (4 ch surround mode) Power Output (at 1ch Drive) Front : 40+40W (1kHz, 0.5% THD, 8ohm) Rear : 20+20W (1kHz, 0.9% THD, 4ohm)</p> <p>3 When Dolby Pro Logic is "ON" Power Output (at 1ch Drive) Front : 40+40W (1kHz, 0.5% THD, 8ohm) Center : 40W (1kHz, 0.5% THD, 8ohm) Rear : 20+20W (1kHz, 0.9% THD, 4ohm)</p>	<p>1 FM SECTION Frequency Range : 87.50MHz to 108.00MHz (50kHz step) Sensitivity (S/N 30dB) : 3.0μV Total Harmonic Distortion MONO : 0.3% STEREO : 0.5% Signal to Noise Ratio MONO : 70dB STEREO : 65dB Frequency Response : 20Hz~15kHz Image Rejection : 60dB Stereo Separation (1kHz) : 30dB</p> <p>2 MW SECTION Frequency Range : 522kHz to 1620kHz (9kHz step) Sensitivity (S/N 30dB) : 55dB Total harmonic Distortion : 1.5% Signal to noise Ratio : 40dB Image Rejection : 35dB</p> <p>3 LW SECTION Frequency Range : 146kHz to 290kHz (1kHz step) Sensitivity (S/N 20dB) : 60dB</p>
GENERAL	Standard accessories
Power consumption : 200W Power supply : AC 230V, 50Hz Dimension (W \times H \times D) : 430 \times 142 \times 355mm Weight : 7.6kg (net)	Remote control unit1 Operator's manual1

* For improvement purposes, specifications and design are subject to change without notice.

D
A
B

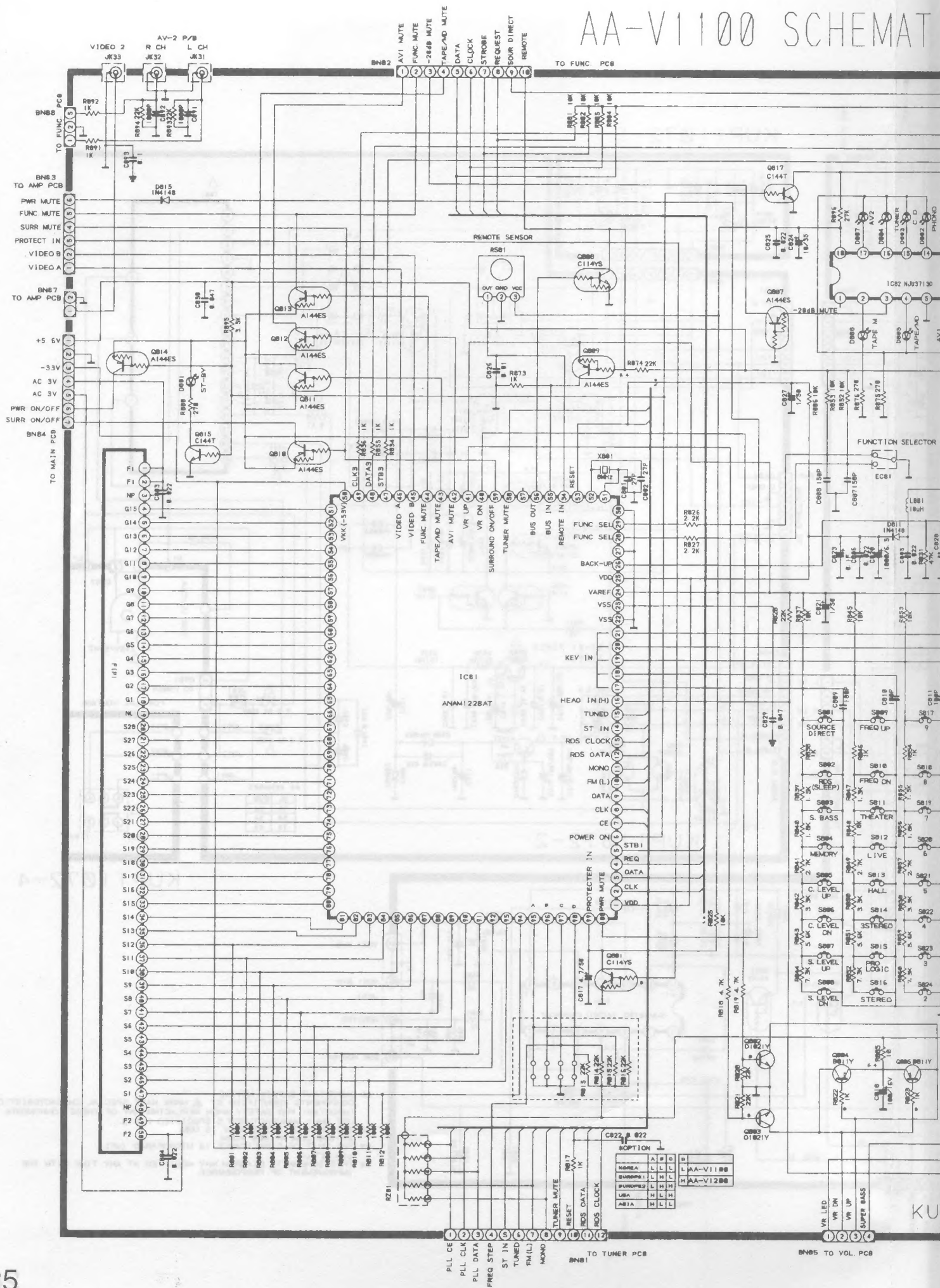
TTER
ROUND



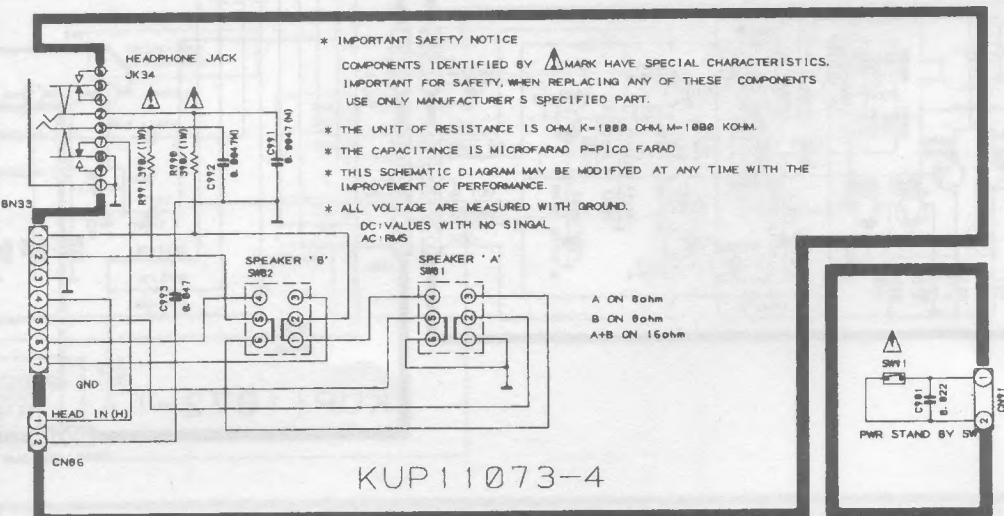
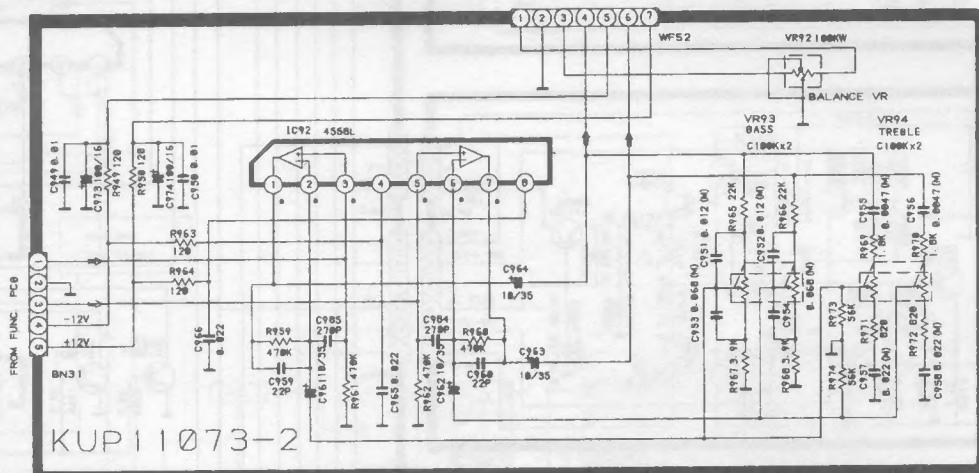
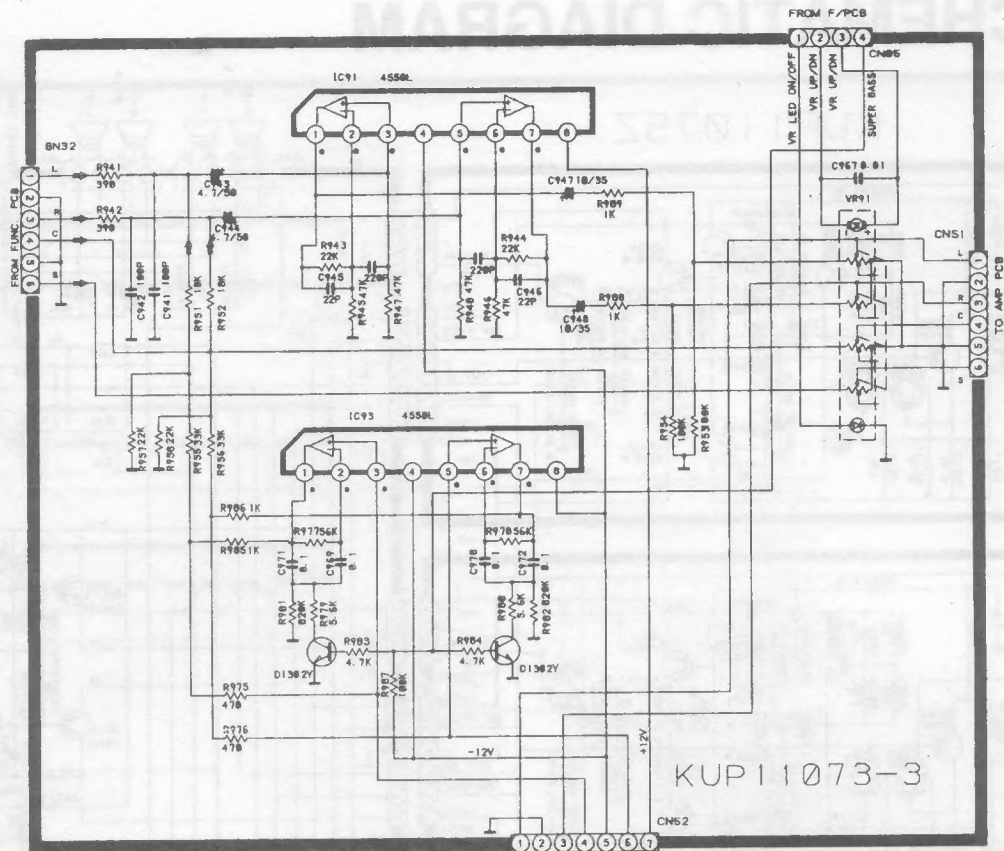
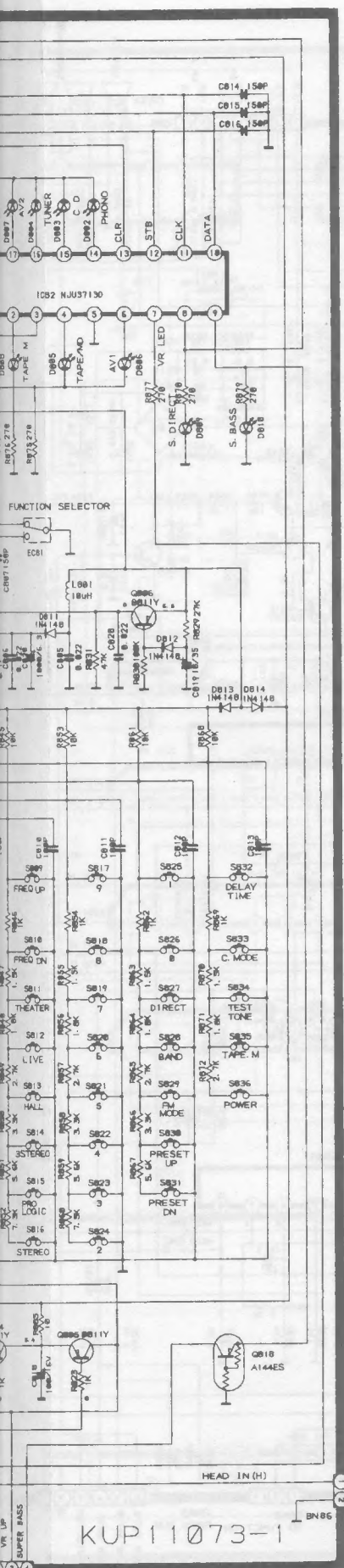


** IMPORTANT SAFETY NOTICE.
COMPONENTS IDENTIFIED BY Δ MARK HAVE SPECIAL CHARACTERISTICS.
IMPORTANT FOR SAFETY WHEN REPLACING ANY OF THESE COMPONENTS
USE ONLY MANUFACTURER'S SPECIFIED PARTS.
** THE UNIT OF RESISTANCE IS OHM.
K=1000 OHM, M=1000 KOHM.
** THE UNIT OF CAPACITANCE IS MICROFARAD (μ F).
PF=10⁻⁶ F.
** THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANY TIME WITH THE
IMPROVEMENT OF PERFORMANCE.

AA-V1100 SCHEMAT

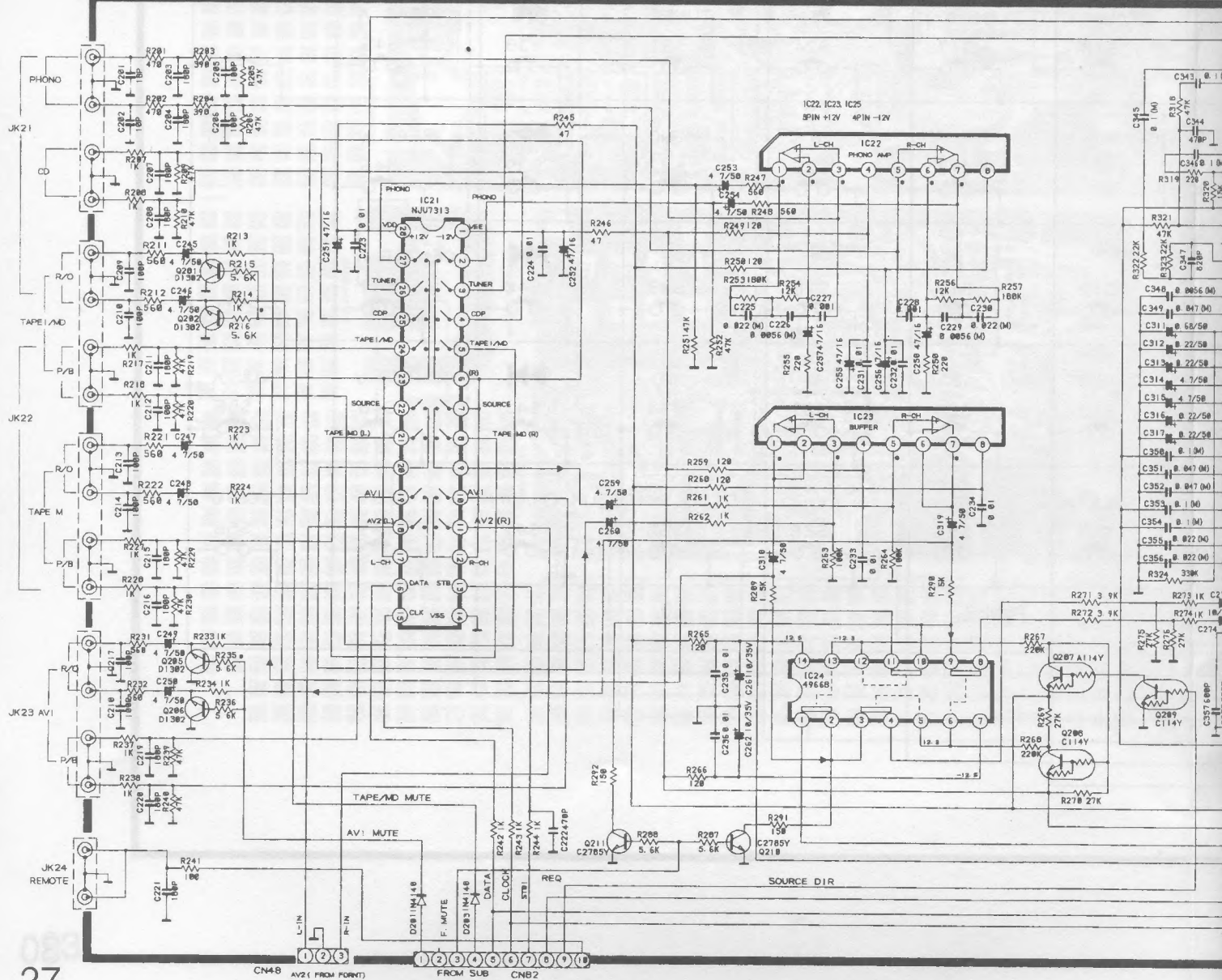
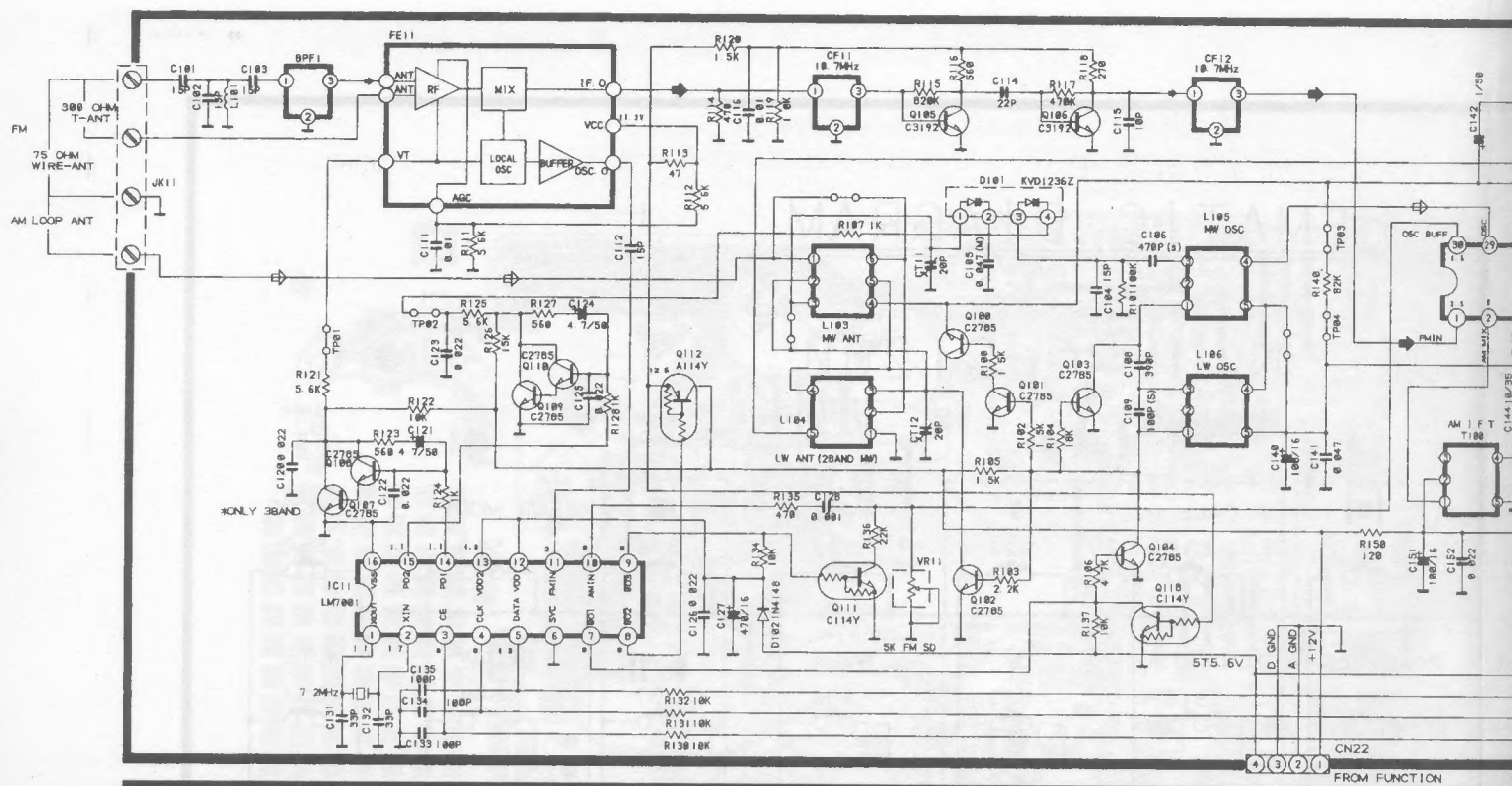


SCHEMATIC DIAGRAM

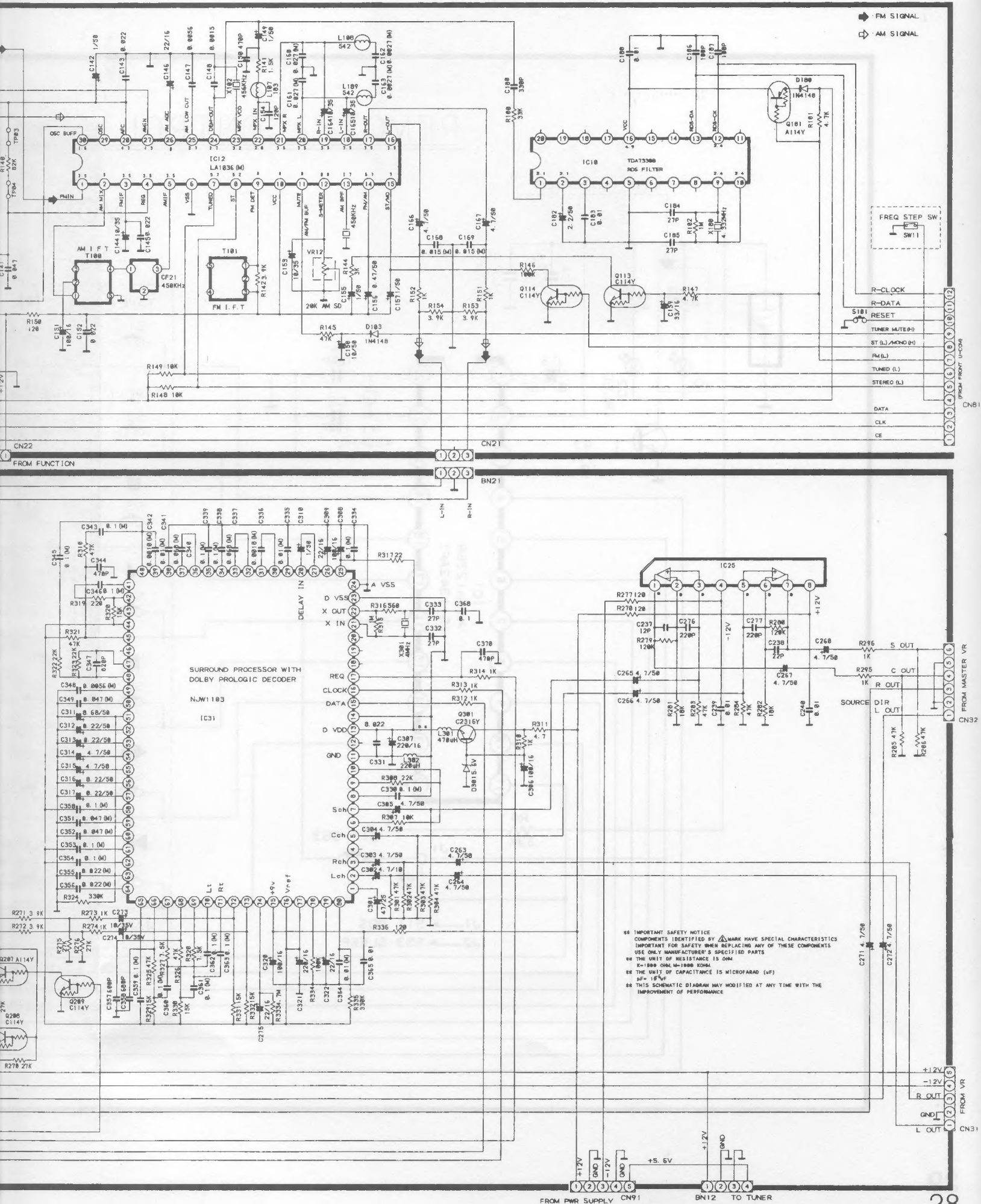


KUP11073-5

AA-V1100 TUNER & FUNC



FUNCTION SCHEMATIC DIAGRAM



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■ ELECTRICAL PARTS LIST

REF NO.	PART NO.	DESCRIPTION	REF NO.	PART NO.	DESCRIPTION
P. C BOARD BLOCK PART NO.			BN91	KWZAAV1100BN91	WIRE ASS'Y
			BN92	KWZAAV1100BN92	WIRE ASS'Y
	Part No.	Description	CN33	KJP07GB03ZM	WAFER
	1. KOP11071	FUNCTION PCB ASS'Y	CN51	KJP06GA63ZY	WAFER
	2. KOP 11072	AMP PCB ASS'Y	CN52	KJP03GA63ZY	WAFER
	3. KOP11073	FRONT PCB ASS'Y	CN61	KJP06GA01ZM	WAFER
	4. KOP 11074	TUNER PCB ASS'Y	CN83	KJP08GB46ZM	WAFER
	5. KOP 11075	TR ARRAY PCB ASS'Y	CN84	KJP07GA01ZM	WAFER
	6. KOP 11106	REMOCON PCB ASS'Y	CN88	KJP03GB03ZM	WAFER
			CN92	KJP02GA61ZP	WAFER
FUNCTION PCB BLOCK CONSISTS FOLLOWING P.C.B			C620	△ KCKW2H223ZF	CAP, CERAMIC
	* FUNCTION CONTROL P. C. BOARD		C652, 653	△ KCETS63V682	CAP, ELECT
	* DOLBY SURROUND P. C. BOARD		C920	△ KCEA1EH471E	CAP, ELECT
AMP PCB BLOCK CONSISTS FOLLOWING P. C. B			C922, 923	△ KCEA1EH222E	CAP, ELECT
	* POWER SUPPLY P. C. BOARD		D615	△ BVDPBU604F	DIODE, BRIDGE
	* VIDEO CONTROL P. C. BOARD		IC61	BVINJM2279D	IC, VIDEO
FRONT PCB BLOCK CONSISTS FOLLOWING P. C. B			IC62, 63	BVINJM4558L	IC
	* μ - COM P. C. BOARD		JK51	KJJ4P020Z	JACK, BOARD
	* SP SWITCH P. C. BOARD		JK91	KJJ5P012Z	TERMINAL, SPEAKER
	* TONE CONTROL P. C. BOARD		JK92	KJJ5P013Z	TERMINAL, SPEAKER
	* MASTER VR P. C. BOARD		JK93	KJJ5R003Z	TERMINAL, SPEAKER
	* AV2 INPUT P. C. BOARD		L601~L603	△ KLEYK1R8KA	COIL
	* POWER SW P. C. BOARD		Q914	△ KVTKTB1366Y	T.R
			Q915	△ KVTKTD2058Y	T.R
BN21	KWZAAV1100BN21	WIRE ASS'Y	RL91	△ BSL4A004ZU	RELAY
BN22	KWZAAV1100BN22	WIRE ASS'Y	RL92	△ KSL4B003ZW	RELAY
CN31	KJP05GA01ZM	WAFER	R645~R648	KRG1ANJ4R7H	RES, METAL, OXIDE FILM
CN32	KJP06GA01ZM	WAFER	R661		
CN48	KJP03GA01ZM	WAFER	R925~R927	△ KRQ1AJR47H	RES, FUSH
CN82	KJP10GA19ZM	WAFER	R928, 929	△ KRG1ANJ220H	RES, METAL, OXIDE FILM
CN91	KJP05GA01ZM	WAFER	W901	KWZAAV1100W91	WIRE ASS'Y
ET01	KMA2A001	TERMINAL, GROUND	3. FRONT PCB		
IC21	BVINJU7313L	IC	BN31	KWZAAV1100BN31	WIRE ASS'Y
IC22, 23	BVINJM4558L	IC	BN32	KWZAAV1100BN32	WIRE ASS'Y
IC24	BVILC4966	IC	BN33	KWZAAV1100BN33	WIRE ASS'Y
IC25	BVINJM4558L	IC	BN81	KWZAAV1100BN81	WIRE ASS'Y
JK21, 22	KJJ4R012Z	TERMINAL, IN/OUT	BN82	KWZAAV1100BN82	WIRE ASS'Y
JK23	KJJ4P014Z	JACK, IN/OUT	BN83	KWZAAV1100BN83	WIRE ASS'Y
JK24	KJJ4N026Z	JACK, BOARD	BN84	KWZAAV1100BN84	WIRE ASS'Y
X301	BVFZTA4, 00MG	RESONATOR, CERAMIC	BN85	KWZAAV1100BN85	WIRE ASS'Y
2. AMP PCB			BN86	KWZAAV1100BN86	WIRE ASS'Y
BK51	KMD1A081	BRACKET, PCB	BN88	KWZAAV1100BN88	WIRE ASS'Y
BN48	KWZAAV1100BN48	WIRE ASS'Y	BRK3~BRK6	KHE170	HOLDER, PCB
BN51	KWZAAV1100BN51	WIRE ASS'Y			
BN61	KWZAAV1100BN61	WIRE ASS'Y			

